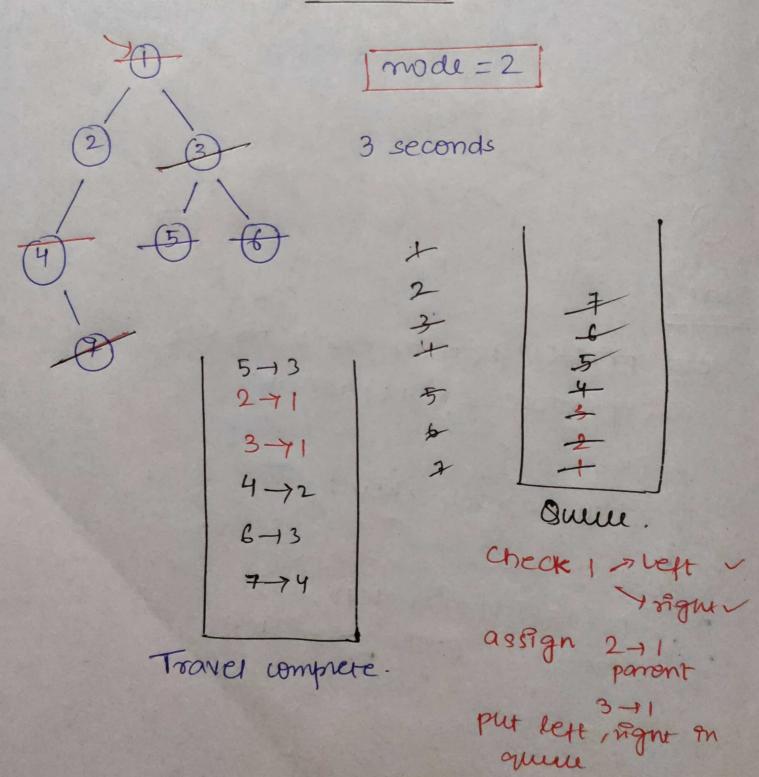
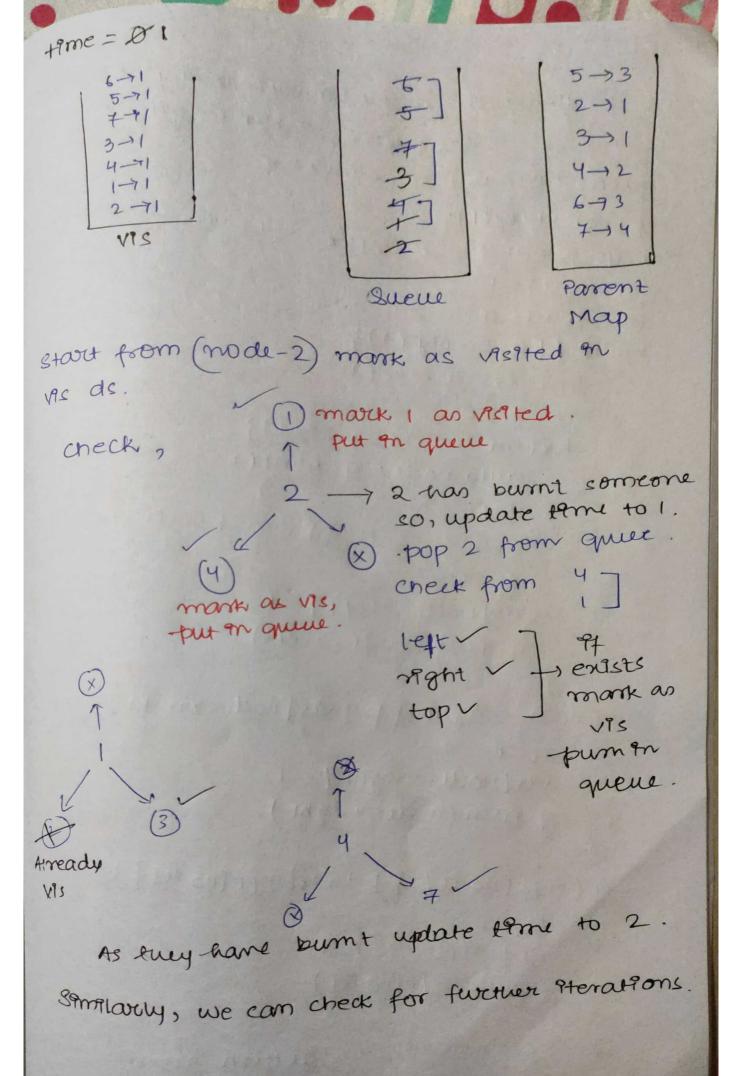
It Man Tame taken to Burn a Banary Tree from a mode / leaf Node.

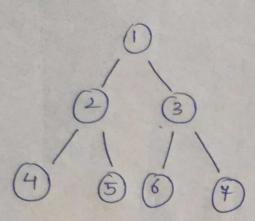




```
It Code: -
 ent fondmaxpist (map & Benavy Tree Centy * 2 + 1 mpp,
                 Banary Tree (anty* target) {
    queue & Banary Tree canty * 9;
    q. push (target);
   map < BinaryTree Linty*, inty vis;
   vis[target] =1;
    ant max = 0:
    white (! q. empty ()) {
         9nt sz= q. s9ze():
         9nt fl=0)
         for (Pn+ 9=0; iKSZ; 9++) {
             auto node = q. front();
             9. pop();
             9f (node-rieft 77! 193[node-rieft])
             fe=1;
             vis[node-yveft]=1;
             q. push (mode -> veft);
     Pf (node-right ff | vis [node-right]) }
           すしこ1;
           vis [node-right] = 1;
           q. push (mode -> right);
      84 (mpp[node] 74! vis[mpp[node]]){
           fl=1;
           vis [mpp[node]]=1;
           q. push (mpp[rode]);
       91 (fl) 8000x9++;
                             return maxi,
```

```
gray Tree 2917 x bife to Map Parront (Emany Tree 2911 x 2 2011)
map (tout) }
ent start) }
quell & property = enty * y q;
g. push (root):
gray Tree conty x res;
 vouve (! q. ompty ()) {
    penary Tree < Porty * node = q. front ();
 of (node-ydata == start)
        res=node; q.pop();
  ef (node-rueft) mpp [node-rueft]=node:
  q. push (node y veft):
  ef (node-y right) mpp [node-yright] = node;
  g. pum (node-rægn+);
return res;
ent teme to Burn Tree (Brnavy Tree < ent) * root,
911 87 art) {
  map < Binary Tree < 9nty *, Binary Tree < 9nty * y
 Binary Tree < 9n7 or target = bysto Map Porrents (root,
  nt maxi = fend Max (mpp, torreget);
  return maxis
```

Il count comprete Tree Nodes:



enorder (node, fcnt) {

Pf (root == NULL)

return;

cnt++;

morder (mode - reft): morder (mode -) right);

TC:0(n)

SC:0(h)

(et au levels are feued.)

